

APPENDIX H

BORROW PIT PROCEDURES

FORT STEWART & HUNTER ARMY AIRFIELD
BORROW PIT EXCAVATION/SURFACE MINING PERMIT

*Date of Application

*Borrow Pit Location (NRMU):

*Cubic Yards required:

*Type of Material:

*Final Destination:

*Date to Begin:

*Date to End:

*POC (On-site Manager):

*POC Phone Number:

Below line for office use only.

On-Site Manager/Operator – mobile number

Government Contracting Officer Representative

Approved for Borrow Pit Number

Borrow Pit Management - Environmental
(912-767-9443/fax-767-9779, George Harris or Anthony Austermann)

****Please retain a copy of this Permit, on site, with the operator and notify Range Control when entering or leaving the training area.***

Borrow Pit Release/Checkout is required BEFORE leaving the borrow pit area.

Release Approved by/date

Surface Mining (Borrow Pit) Standard Operating Procedure

Excavation Procedure:

1. The Operator of the borrow pit will maintain or create a rim ditch to maximize accessibility to borrow pit materials and ultimately to optimize excavation of that material.
2. The Operator will utilize a water pump, where and when appropriate allowing him access to fill materials in a manner consistent with proper surfacing mining procedures. Also, a sediment basin may become necessary and will be the responsibility of the contractor to construct.
3. The Operator shall show a plan as to how the property will be mined, the limits of the affected acreage, the natural drainage features and water disposal, the initial mining and overburden (spoil) area(s), the erosion and sedimentation controls, the ingress/egress area(s), the direction and schedule of mining advancement, the area to be left undisturbed (buffer) where necessary, and a plan that shows projected final reclamation of the site.
4. *All borrow pit design and excavation actions shall support the objective of the borrow pit eventually becoming a recreational fishpond*, if soil conditions, location and ground water resources favor such development. To accomplish this objective the following procedures must be employed.
 - a. Average depth, when abandoned, will be 6 feet minimum and 12 feet maximum (water depth will range from 3-8 feet).
 - b. Borrow pits will be excavated in a manner, *from the beginning*, to ultimately move them to a useable recreational fishpond.

***The pit operator shall be responsible for maintaining a 3:1 slope on all pit walls/edges and marking the slopes/edges in a manner as to prevent any foot or vehicle traffic from inadvertently falling into the pit.**

Erosion & Sedimentation Control Measures:

- Remain within the boundaries of the borrow pit, which are marked by "surrounding trees and the perimeter road", while making every effort to retain and/or create a buffer zone(s) of undisturbed/natural vegetation following all guideline within Georgia's Best Management Practices to prevent silts and sediments from leaving the borrow pit area and entering the waters of the State of Georgia.

Water Quality Control Measures:

- Borrow pit excavation shall not be conducted within 100 feet of the banks of any waters of the State of Georgia, nor discharges to the water or ground to ensure no adverse affects on these waters.
- No Point Source discharges shall be allowed without prior coordination with the Environmental Branch, and BMPs will be followed at all times.

Sensitive/Special Sites Measures:

- If historical or archaeological resources are encountered during excavation of this borrow pit. *Immediately* stop working until the Environmental Branch has cleared the pit. Then *contact the **Cultural Resources Office - 767-3359/2010***
- No borrow pit may be expanded in a direction that will potentially impact a protected cultural resource site

**Where applicable, adverse effects from audible elements (blasting), and visual elements are to be avoided near these sites so as not to diminish the integrity of the location, design, setting, materials, workmanship, or other structural details.*

Fish and Wildlife Measures:

- Borrow pits or portions of the pits that are no longer suitable for further excavation for fill may be moved toward a final excavation phase that will produce a manageable fish pond.
- The following construction criteria shall strive to be incorporated during excavation for this purpose:

1. A water depth of 3 to 8 feet
2. An area of 3 to 10 acres
3. *All edges sloped at 3:1, with a 4:1 entrance/exit point for gopher tortoise escape, to be converted to a boat ramp upon pond completion.*
4. Earthen piers may be left within the excavated pond
5. Soil and erosion controls to stabilize slope and pond margins with appropriate ground cover plants
6. Borrow pit/pond shall be free of hazards including pilings, poles, abandoned equipment, etc.

Endangered/Protected Species Measures:

- If the borrow pit you are proposing to use is near a protected species, another borrow pit of the same type of material which is near your final destination will be assigned for your use.
- If threatened or endangered species are encountered during excavation of this borrow pit, all work is to be discontinued, and *immediately contact the Fish & Wildlife Office at 767-7263/2584.*

Wetlands Measures:

- Maintain a minimum distance of 50 feet from borrow pit banks to wetlands delineation (footprints).

Solid/Hazardous Waste Measures:

- **All solid and hazardous wastes shall be disposed of properly.**
- **No debris, trash, or other garbage will be left at, in, or adjacent to the borrow pit.**

Air Quality Measures:

- Where applicable, adverse effects from atmospheric elements, specifically fugitive dust, are to be prevented so as to avoid any significant deterioration of the air quality.

*** If the borrow pit you are proposing to use has been moved into this final excavation phase or has already been converted into a fishpond, another borrow pit of the same type of material, which is near your final destination, will be assigned for your use. Also, seasonal conditions may be such as to merit utilization of another site to offset unsafe conditions. These sites will require coordination with your POC for utilization.**

*** The following pass must be obtained from the Range Control Office *before entering any Training Area.***

| <i>POV PASS FOR FORT STEWART ROADS AND TRAINING AREAS</i> | | |
|--|---------------------------|------------------------|
| TO: Appropriate Range Guards and/or military police | | |
| FROM: Chief Range Division, Fort Stewart Ga. 31314 (912) 767-877/8100 | | |
| The following individual(s) is/are authorized access to the following Training Area/Facilities beginning _____ thru _____ (Start Date) (End Date) | | |
| Rank, Name (Last, First) | Training Area(s) Facility | |
| Organization | Phone Number | |
| Reason for Access Pass | | |
| Vehicle (Model) (State) | Year | (License Plate Number) |
| <p align="center"><u>Statement of understanding</u></p> <p>I understand that I am permitted to use only the above listed training area(s) and roads leading to and from that area. I may only use that area/facility for the date and time listed below. I understand that I am using these roads at my own risk, and the Commander, 3rd infantry Division and Fort Stewart Assume no responsibility for my safety.</p> <p>Permanently off limit areas- High Risk Dud Area: Artillery Impact Area, Aerial Gunnery Ranges 1-3 (AGR), EOD Area, Tank Gunnery Ranges (B9-16) and small arms impact area, Luzon Range. Abandoned Ranges located in C1 and C4 training areas.</p> <p>CAUTION: DO NOT DISTURB UNEXPLODED AMMUNITION! Mark location and notify Range Control (912) 767-8777 or call the Military Police at 911.</p> <p>I have been briefed and understand the OFF-LIMITS areas and the limitations of this pass. I will notify Range Control at 767-8777 prior to entering an area and upon departure.</p> | | |
| Chief, Range Division | Bearer's Signature | |
| <i>POST ON DASHBOARD OF VEHICLE</i> | | |